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OM nucleic - nucleic search, using sw model

Run on: September 14, 2004, 23:41:28 ; Search time 1708 Seconds
(without alignments)
6065.518 Million cell updates/sec

Title: US-09-909-474D-1

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Perfect score: 2059
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Scoring table: . IDENTITY NUC

Gapo 10.0, Gapext 1.0

Searched: 3304383 seqs, 2515761380 residues

Total number of hits satisfying chosen parameters: 6608766

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Minimum DB seq	length: 200000000
Maximum DB seq	length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database : Published Applications NA: *

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	2051.8	99.7	2389	9	US-09-799-875-7
2	2051.8	99.7	2389	13	US-10-649-156-7
3	1937.2	97.0	2092	14	US-10-098-841-271
4	1930.8	96.7	2070	13	US-10-425-114-18645
5	1988.8	96.6	2082	13	US-10-425-114-18433
6	1767.8	85.9	2048	9	US-09-923-301-260
7	1070.8	52.0	1074	9	US-09-799-875-9
8	1070.8	52.0	1074	13	US-10-649-156-9
9	1004.4	48.8	1085	15	US-10-024-828-3
10	533	25.9	541	9	US-09-915-580-580
11	426	20.7	426	9	US-09-863-701-10282
12	330.2	16.0	396	10	US-09-803-719-519
13	315.4	15.3	353	10	US-09-873-367-341
14	268.8	13.1	562	9	US-09-925-301-525

15	263.2	12.8	1909	13	US-10-221-278-116	Sequence 116, Appl	
16	263.2	12.8	1909	15	US-10-221-278-73	Sequence 73, Appl	
17	263.2	12.8	1909	16	US-10-291-172-116	Sequence 116, App	
18	253	12.3	4336	15	US-10-084-817-300	Sequence 300, App	
19	251.4	12.2	3280	14	US-10-044-090-269	Sequence 269, App	
20	247	12.0	3334	15	US-10-240-965-168	Sequence 168, App	
21	242.6	11.8	690	17	US-10-404-460-123	Sequence 123, App	
22	234	11.4	675	17	US-10-717-597-62	Sequence 62, Appl	
23	232.4	11.3	818	15	US-10-228-263-1	Sequence 1, Appl	
24	222.2	10.8	621	15	US-10-228-263-3	Sequence 3, Appl	
25	207.6	10.1	1943	13	US-10-221-278-492	Sequence 492, App	
26	207.6	10.1	1943	16	US-10-291-172-492	Sequence 492, App	
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	28	158	7.7	552	9	US-09-864-761-12987	Sequence 12987, A
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	30	138.8	6.7	4463	16	US-10-062-674-1704	Sequence 1704, Ap
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33	93.8	4.6	1723	13	US-10-425-114-24896	Sequence 24896, A	
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37	89	4.3	1723	17	US-10-106-698-464	Sequence 19745, A	
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39	88.2	4.3	2688	16	US-10-266-829-19	Sequence 19, Appl	
40	87.4	4.2	1632	17	US-10-437-963-50213	Sequence 50213, A	
41	87.2	4.2	1215	17	US-10-437-963-85599	Sequence 85599, A	
42	85.6	4.2	2322	13	US-10-424-591-1351	Sequence 1231, Ap	
43	85.2	4.1	2260	16	US-10-220-891-11	Sequence 11, Appl	
44	85	4.1	1302	16	US-10-305-720-1146	Sequence 1146, App	
45	84.8	4.1	1565	13	US-10-424-598-98748	Sequence 98748, A	

ALIGNMENTS

RESULT 1

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US-09-799-875-7
; Sequence 7, Application US/09799875
; Patent No. US20020034780A1
; GENERAL INFORMATION:
; APPLICANT: Meyers, Rachel
; APPLICANT: Kapeller-Libermann, Rosana
; APPLICANT: Williamson, Mark
; TITLE OF INVENTION: No. US20020034780A1el Human Protein Kinases and Uses
; TITLE OF INVENTION: Therefor
; FILE REFERENCE: 35800/209996
; CURRENT APPLICATION NUMBER: US/09/799,875
; CURRENT FILING DATE: 2001-03-06
; PRIOR APPLICATION NUMBER: 60/182,059
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 09/659,287
; PRIOR FILING DATE: 2000-09-12
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 2389
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (383)...(1456)
; US-09-799-875-7

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				Gaps	0
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	Db	395	CCTCTGCTGCTCTCTCGGGGTCCCTGTCCAGGAAGACGGTTGGAGTTGGATGCAAC	454
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	Qy	241	GCTTCGCCGTCTTGGGCCCTATGTCTCTCGAGCCCGAGGAGGCGCGGGCCCTACCGG	300
	Db	575	GCTTCGCCGTCTTGGGCCCTATGTCTCTCGAGCCCGAGGAGGCGCGGGCCCTACCGG	634
	Qy	301	GCCTTGCACTGCCTTACAGGCACCTAGATACTGTCAAGGTGTATCCCGCTCCAGGAAGCC	360
	Db	635	GCCTTGCACTGCCTTACAGGCACCTAGATACTGTCAAGGTGTATCCCGCTCCAGGAAGCC	694
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Qy	1321	GTGCCAAGCCCTGTTCCTCGGTGCTGGGAGTAGCAGCTGAGCAAGAGAGACAATATCCC	1380
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; Publication No. US20040038346A1
; GENERAL INFORMATION:
; APPLICANT: Meyers, Rachel
; APPLICANT: Kapeller-Libermann, Rosana
; APPLICANT: Williamson, Mark
; TITLE OF INVENTION: No. US20040038346A1 Human Protein Kinases and Uses
; TITLE OF INVENTION: Therefor

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FILE REFERENCE: 35800/209996
; CURRENT APPLICATION NUMBER: US/10/649,156
; CURRENT FILING DATE: 2003-08-27
; PRIOR APPLICATION NUMBER: US/09/799,875
; PRIOR FILING DATE: 2001-03-06
; PRIOR APPLICATION NUMBER: 60/182,059
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 09/659,287
; PRIOR FILING DATE: 2000-09-12
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 7
; LENGTH: 2389
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (383)...(1456)
US-10-649-156-7

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Matches 2053; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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DB 515 CCTCTGCTGTTCCCTCGAGCCCACTACTGTCAGATCGTCAACTGCTGTGGCCACT 574
QY 241 GCTCTCGCTCTGGGCCCTATGCTCTCTGAGCCGAGGAGGGCGGGCGGCTACCGG 300
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QY 301 GCCTGCACTGCCCTACAGGCACTGAGTATACCTCAAGGTGTACCCCGTCCAGGAAGCC 360
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QY 361 CTGGCCGCTGCTGAGCCCTACGCGGGTGTGCCCCGCAACGATGTGGCTCGGCCACT 420
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QY 421 GAGGTCTGGGTACCCAGCTCCTCTACGCTTTTTCACCTCGGACCCATGGGGACATG 480
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1955 CAGGACCAAGCCAGCTCACTCTGGGAACTGTGTTTCCAGCATCTCTGCTCTTGTATT 2014

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Qy      2041 AAAAAAAAAAAAAA 2055
Db      2375 AAAAAAAAAAAAAA 2389

RESULT 3
US-10-098-841-271
; Sequence 271, Application US/10098841
; Publication No. US20020197679A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Xu, Chongjun
; APPLICANT: Zhou, Ping
; APPLICANT: Ma, Yunqing
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Zhao, Qing A.
; APPLICANT: Ren, Feiyan
; APPLICANT: Chen, Rui-hong
; APPLICANT: Wang, Dunrui
; APPLICANT: Wang, Zhiwei
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; APPLICANT: Zhang, Jie
; APPLICANT: Qian, Xiaohong B.
; APPLICANT: Dmanac, Radoje T.
; TITLE OF INVENTION: Polypeptides
; FILE REFERENCE: 784CIP2
; CURRENT APPLICATION NUMBER: US/10/098,841
; CURRENT FILING DATE: 2002-03-13
; PRIOR APPLICATION NUMBER: 09/598,042
; PRIOR FILING DATE: 2000-06-20
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 331
; SOFTWARE: pt FL_genes Version 1.0
; SEQ ID NO 271
; LENGTH: 2092
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (139)..(1215)
US-10-098-841-271

Query Match      97.0%; Score 1957.2; DB 14; Length 2092;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1999; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      1 GCTCTGAGCCCGCGCGCCCGCCACCGGGAACGACGGGGGAGATGCGAGCCACC 60
Db      91 GCTCTGAGCCCGCGCGCCCGCCACCGGGAACGACGGGGGAGATGCGAGCCACC 150
Qy      61 CCTCTGGCTGCTCTCGGGGTTCCCTGTCCAGGAAGACGGTTCGAGTTGATGACAAAC 120
Db      151 CCTCTGGCTGCTCTCGGGGTTCCCTGTCCAGGAAGACGGTTCGAGTTGATGACAAAC 210

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Qy      121 TTGATATCCGAGCGTCCCGTCCAGAAACGAGCTCGAAGTGGGCCCCAGCCCCAGACTGCC 180
Db      211 TTGATATCCGAGCGTCCCGTCCAGAAACGAGCTCGAAGTGGGCCCCAGCCCCAGACTGCC 270
Qy      181 CCCTGCGCTGTGGCCCTGAGCCCACTACTGCTCCAGATCGTCAACTGTGTGGCCACT 240
Db      271 CCCTGCGCTGTGGCCCTGAGCCCACTACTGCTCCAGATCGTCAACTGTGTGGCCACT 330
Qy      241 GCCTCCCGTGTGGCCCTATGTCCTCTGAGCCCGAGAGGGCGGGCGGCGCTACCG 300
Db      331 GCCTCCCGTGTGGCCCTATGTCCTCTGAGCCCGAGAGGGCGGGCGGCGCTACCG 390
Qy      301 GCCCTGCACTGCCCTACAGGCACCTGAGTATACCTGCAAGGTGTACCCCGTCCAGGAAGCC 360
Db      391 GCCCTGCACTGCCCTACAGGCACCTGAGTATACCTGCAAGGTGTACCCCGTCCAGGAAGCC 450
Qy      361 CTGGCCGTGTGGAGCCCTACGCGCGCTGCCCGCGCACAAAGCATGTGGTTCGGCCCACT 420
Db      451 CTGGCCGTGTGGAGCCCTATGCGCGCTGCCCGCGCACAAAGCATGTGGTTCGGCCCACT 510
Qy      421 GAGTCTCTGCTGCTACCGAGCTCTCTACGCGCTTTTCACTCGGACCATGGGACATG 480
Db      511 GAGTCTCTGCTGCTACCGAGCTCTCTACGCGCTTTTCACTCGGACCATGGGACATG 570
Qy      481 CACAGCCTGTGGAGCCCGCCACCGCTATCCCTGAGCCTGAGGCTGCCGTCTTCCCGC 540
Db      571 CACAGCCTGTGGAGCCCGCCACCGCTATCCCTGAGCCTGAGGCTGCCGTCTTCCCGC 630
Qy      541 CAGATGCCACCGCCCTGGCGGCACTGTCAACAGACGGTCTGCTCTGGTGTATCAAG 600
Db      631 CAGATGCCACCGCCCTGGCGGCACTGTCAACAGACGGTCTGCTCTGGTGTATCAAG 690
Qy      601 CTGTGCTCGCTTTGCTTCTGCTGACCGTGAGAGAAAGTGTGTGTGGAGAACTCTGGAG 660
Db      691 CTGTGCTCGCTTTGCTTCTGCTGACCGTGAGAGAAAGTGTGTGTGGAGAACTCTGGAG 750
Qy      661 GACTCTGCGTGTGACTGGGCGCAGATGATTCCTGTGGGACAAAGCAGCGTGCACAGCC 720
Db      751 GACTCTGCGTGTGACTGGGCGCAGATGATTCCTGTGGGACAAAGCAGCGTGCACAGCC 810
Qy      721 TAGCTGGGACCTGAGATACCTCAGTCAAGGCTCTATCTCGGGAAGGAGGCGGATGTC 780
Db      811 TAGCTGGGACCTGAGATACCTCAGTCAAGGCTCTATCTCGGGAAGGAGGCGGATGTC 870
Qy      781 TGGAGCCCTGGCGCTGCTTTTCAACATGCTGGCGGCACTACCCCTTCCAGGACTCG 840
Db      871 TGGAGCCCTGGCGCTGCTTTTCAACATGCTGGCGGCACTACCCCTTCCAGGACTCG 930
Qy      841 GAGCCTGTCTGCTTCTGGGAGATCCCGCGGGGCGCTACGCTTGGCTGCGAGGCTTC 900
Db      931 GAGCCTGTCTGCTTCTGGGAGATCCCGCGGGGCGCTACGCTTGGCTGCGAGGCTTC 990
Qy      901 TCGGCCCCCTGCGCGCTGTCTGGTTCGCTGCTCTTCTGTCGGAGGACAGTGAACGGCTC 960
Db      991 TCGGCCCCCTGCGCGCTGTCTGGTTCGCTGCTCTTCTGTCGGAGGACAGTGAACGGCTC 1050
Qy      961 ACAGCCACAGGCACTCTCTGCAACCGCTGCTGCGGACAGGACCGGATGCGGCTAGCCCA 1020
Db      1051 ACAGCCACAGGCACTCTCTGCAACCGCTGCTGCGGACAGGACCGGATGCGGCTAGCCCA 1110
Qy      1021 ACCCGATCCCATCTCTGGGAGGCTGCCAGGTGCTTCCCTGATGGAATGGGGCTGGAGCAA 1080
Db      1111 ACCCGATCCCATCTCTGGGAGGCTGCCAGGTGCTTCCCTGATGGAATGGGGCTGGAGCAA 1170
Qy      1081 GCCAGGAAAGAGGAGGAGAGACAGAGAGTGGTTCCTGATGGCTAGGACCAACCCCTACTACA 1140
Db      1171 GCCAGGAAAGAGGAGGAGAGACAGAGAGTGGTTCCTGATGGCTAGGACCAACCCCTACTACA 1230
Qy      1141 CGCTCAGCTCCCAACAGTGGATTGAGTTGGGGGTAGTCCCAAGCCTTCTCTGCTCTG 1200
Db      1231 CGCTCAGCTCCCAACAGTGGATTGAGTTGGGGGTAGTCCCAAGCCTTCTCTGCTCTG 1290

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1201 AACTGAGCCAAACCTTCTAGTGGCTTCCAGAGGGAGAAAGGAGAGAGGAGGAGTGTG 1260
1291 AACTGAGCCAAACCTTCTAGTGGCTTCCAGAGGGAGAAAGGAGAGGAGTGTG 1350
1261 TCTGTGTACACATCTGCTTTGTTCCACACATGACATCTCTGCTGGGTGCTTATCAG 1320
1351 TCTGTGTACACATCTGCTTTGTTCCACACATGACATCTCTGCTGGGTGCTTATCAG 1410
1321 GTGCCAAGCCCTGTCTCGGTGCTCGGAGTACAGAGTACAGAGGAGAGCAATATTCCC 1380
1411 GTGCCAAGCCCTGTCTCGGTGCTCGGAGTACAGAGTACAGAGGAGAGCAATATTCCC 1470
1381 TCTGTGTACACATCTGCTTTGTTCCACACATGACATCTCTGCTGGGTGCTTATCAG 1440
1471 TCTGTGTACACATCTGCTTTGTTCCACACATGACATCTCTGCTGGGTGCTTATCAG 1530
1441 TCACTGTCTACACTGGGTACACTTTGTACCAAGTGTGCGGCTCCACTGATGCTGTGCTCA 1500
1531 TCACTGTCTACACTGGGTACACTTTGTACCAAGTGTGCGGCTCCACTGATGCTGTGCTCA 1590
1501 GGCACCTCTGTCCAAAGGACAAATCCCTTTTCAAAAACAAACCAAGCTGCTTTTATCTGTA 1560
1591 GGCACCTCTGTCCAAAGGACAAATCCCTTTTCAAAAACAAACCAAGCTGCTTTTATCTGTA 1650
1561 CTTTTCAGAGAAAGGGAGTATCCCTGTGCGCAAGGCTCCAGGCTCTCCCTGCAACT 1620
1651 CTTTTCAGAGAAAGGGAGTATCCCTGTGCGCAAGGCTCCAGGCTCTCCCTGCAACT 1710
1621 CAGGACCCAGCCAGCTCACTCTGGAACTGTGTTCCAGCATCTCTGCTCTTGATT 1680
1711 CAGGACCCAGCCAGCTCACTCTGGAACTGTGTTCCAGCATCTCTGCTCTTGATT 1770
1681 AAGAGATCTCTCTCAGGCTTAAGCTGGGATTTGGGCGAGAGATTAAGATTCAAACTA 1740
1771 AAGAGATCTCTCTCAGGCTTAAGCTGGGATTTGGGCGAGAGATTAAGATTCAAACTA 1830
1741 TGAGGCTAGTCTCTCTCACTCAAGCTGTTCTGGAATGAGGTCAGGCTGTCACACC 1800
1831 TGAGGCTAGTCTCTCTCACTCAAGCTGTTCTGGAATGAGGTCAGGCTGTCACACC 1890
1801 ATGGGGCTCTCTGACCTGAGCACCAGGTTGAGGGACAGGATTTAGGACGGTCTGTCTGT 1860
1891 ATGGGGCTCTCTGACCTGAGCACCAGGTTGAGGGACAGGATTTAGGACGGTCTGTCTGT 1950
1861 GGCACCTGGAAGTCCAGGTGGAGCTCTTCTGGGGACACTTGGGGTCCCAATCCCAG 1920
1951 GGCACCTGGAAGTCCAGGTGGAGCTCTTCTGGGGACACTTGGGGTCCCAATCCCAG 2010
1921 GTCCATCTCTAGGTTTTCGATACCATGATGATGTTTACCTGTGCTTAATAAGGA 1980
2011 GTCCATCTCTAGGTTTTCGATACCATGATGATGTTTACCTGTGCTTAATAAGGA 2070
1981 GAATTATGAATAAAAAAAA 2002
2071 GAATTATGAATAAAAAAAA 2092

RESULT 4

US-10-425-114-18645
; Sequence 18645, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(5313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28

; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 18645
; LENGTH: 2070
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3101-194-B6_FLI
US-10-425-114-18645

Query Match 96.7%; Score 1990.8; DB 13; Length 2070;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1992; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 GCTCTGAGCCCCCGCGCGCCCGGCGCCACGCGGAAACGACGCGGGCGAGATGCGAGCCACC 60
Db 73 GCTCTGAGCCCCCGCGCGCCCGGCGCCACGCGGAAACGACGCGGGCGAGATGCGAGCCACC 132
Qy 61 CCTCTGGCTGCTCTCTCGGGTTCCTGTCCAGGAAGAAGGTTGAGTTGATGATCAAC 120
Db 133 CCTCTGGCTGCTCTCTCGGGTTCCTGTCCAGGAAGAAGGTTGAGTTGATGATCAAC 192
Qy 121 TTAGATACCGAGCGTCCCGTCCAGAAACGAGCTCGAAGTGGGCCCCAGGCCAGACTGCC 180
Db 193 TTAGATACCGAGCGTCCCGTCCAGAAACGAGCTCGAAGTGGGCCCCAGGCCAGACTGCC 252
Qy 181 CCTGCTGCTTGGCCCTGAGCCACCTACTGCTCCAGATCGTCCAACTGCTGTGGCCACT 240
Db 253 CCTGCTGCTTGGCCCTGAGCCACCTACTGCTCCAGATCGTCCAACTGCTGTGGCCACT 312
Qy 241 GCCTCCCGTCTGGGCGCTATGCTCTCTGAGCCCGAGAGGCGGGCGGGCTTACCGG 300
Db 313 GCCTCCCGTCTGGGCGCTATGCTCTCTGAGCCCGAGAGGCGGGCGGGCTTACCGG 372
Qy 301 GCCTGCACTGCTCCCTACAGGCACTGAGTATACCTGCAAGGTGTACCCGTCAGGAAGCC 360
Db 373 GCCTGCACTGCTCCCTACAGGCACTGAGTATACCTGCAAGGTGTACCCGTCAGGAAGCC 432
Qy 361 CTGCGCGTGTGAGCGCTACGCGCGCTGCTCCCGCCGACCAAGCATGTGCTCGGCCACT 420
Db 433 CTGCGCGTGTGAGCGCTACGCGCGCTGCTCCCGCCGACCAAGCATGTGCTCGGCCACT 492
Qy 421 GAGTCTCTGCTGGTACCCAGCTCTCTACGCTTTTCTACTCGGACCCATGCGGACATG 480
Db 493 GAGTCTCTGCTGGTACCCAGCTCTCTACGCTTTTCTACTCGGACCCATGCGGACATG 552
Qy 481 CAGACCTGTGTGGAAGCCCGCAGCTATCCCTGAGCCTGAGGCTGCGGTCTTCCG 540
Db 553 CAGACCTGTGTGGAAGCCCGCAGCTATCCCTGAGCCTGAGGCTGCGGTCTTCCG 612
Qy 541 CAGATGCCACCGCCCTGGCGCACTGTACACAGCAGCGTCTGCTGCTGATCTCAAG 600
Db 613 CAGATGCCACCGCCCTGGCGCACTGTACACAGCAGCGTCTGCTGCTGATCTCAAG 672
Qy 601 CTGTGCTGCTTGTCTTTCGCTGACCGGTGAGAGGAAGAGTGTGCTGGGAACCTGGAG 660
Db 673 CTGTGCTGCTTGTCTTTCGCTGACCGGTGAGAGGAAGAGTGTGCTGGGAACCTGGAG 732
Qy 661 GACTCTGCTGCTGACTGGGCGCAGATGATTCCTGTGGGACAAAGCAGCGTGCACAGCC 720
Db 733 GACTCTGCTGCTGACTGGGCGCAGATGATTCCTGTGGGACAAAGCAGCGTGCACAGCC 792
Qy 721 TAGCTGGGACCTGAGATACCTACGCTCAAGGCTCTATCTCGGGCAAGGAGCGATGTC 780
Db 793 TAGCTGGGACCTGAGATACCTACGCTCAAGGCTCTATCTCGGGCAAGGAGCGATGTC 852
Qy 781 TGGAGCTTGGGCGTGGGCTCTTACCACCATGCTGGCGGCCACTACCCCTTCCAGGACTCG 840
Db 853 TGGAGCTTGGGCGTGGGCTCTTACCACCATGCTGGCGGCCACTACCCCTTCCAGGACTCG 912
Qy 841 GAGCCTGTCTGCTCTTTCGGCAAGATCCGCGGGGGGCTTACGCTTGTGCTGAGGCTC 900
Db 913 GAGCCTGTCTGCTCTTTCGGCAAGATCCGCGGGGGGCTTACGCTTGTGCTGAGGCTC 972

Qy	901	TCGCGCCCTCGCCCGCTGTCTGGTTCGTGCTGCTCCTTCGTGCGGAGCCAGCTGAACGGCTC	950
Db	973	TCGCGCCCTCGCCCGCTGTCTGGTTCGTGCTGCTCCTTCGTGCGGAGCCAGCTGAACGGCTC	1032
Qy	961	ACGCCACAGGCATCCTCTCGSCACCCCTGGCTGCGACGAGACCCGATGCCCTTAGCCCCA	1020
Db	1033	ACAGCACAAGGCATCTCTCTGCACCCCTGCTGCGACAGACCCGATGCCCTTAGCTCCA	1092
Qy	1021	ACCGATCCCATCTCTGGAGGCTGCCCAGGTGGTCCCTGATGSACTGGGGCTGGACGAA	1080
Db	1093	ACCCGATCCCATCTCTGGAGGCTGCCCAGGTGGTCCCTGATGSACTGGGGCTGGACGAA	1152
Qy	1081	GCCAGGGAAGGAGGAGGAGACAGAGAAGTGGTCTGTGATGGCTAGGACCAACCCTACTACA	1140
Db	1153	GCCAGGGAAGGAGGAGGAGACAGAGAAGTGGTCTGTGATGGCTAGGACCAACCCTACTACA	1212
Qy	1141	CGTCAAGCTGCCAAACAGTGGATTGAGTTTGGGGGTAGCTCCAAAGCCTTCCTCGCCTCTG	1200
Db	1213	CGTCAAGCTGCCAAACAGTGGATTGAGTTTGGGGGTAGCTCCAAAGCCTTCCTCGCCTCTG	1272
Qy	1201	AACTGAGCCAAACCTTCAGTGCCTTCAGAAAGGAGAAAGGACAGACCTGTGTGAGTG	1260
Db	1273	AACTGAGCCAAACCTTCAGTGCCTTCAGAAAGGAGAAAGGACAGACCTGTGTGAGTG	1332
Qy	1261	TGCTGTGTACACATCTGCTTTGTTCACACACATGCAGTTTCTGCTTGGGTGCTTATCAG	1320
Db	1333	TGCTGTGTACACATCTGCTTTGTTCACACACATGCAGTTTCTGCTTGGGTGCTTATCAG	1392
Qy	1321	GTGCCAAGCCCTGTTCTTCGGTGTCTGGGAGTACAGAGTGAGCAAGAGAGCAATATTCCTC	1380
Db	1393	GTGCCAAGCCCTGTTCTTCAGTGTCTGGGAGTACAGAGTGAGCAAGAGAGCAATATTCCTC	1452
Qy	1381	TGCTCAGAGATGACAAAATCGGCATCCTTTGAGCTGACACACATTTTCCATGACCATAGG	1440
Db	1453	TGCTCAGAGATGACAAAATCGGCATCCTTTGAGCTGACACACATTTTCCATGACCATAGG	1512
Qy	1441	TCACTGTCTACACTGGGTACACTTTGTACCAGTGTGGGCTCCACTGATGCTGGTGCTCA	1500
Db	1513	TCACTGTCTACACTGGGTACACTTTGTACCAGTGTGGGCTCCACTGATGCTGGTGCTCA	1572
Qy	1501	GGCACCTCTGTCNAGAGACAATCCCTTTTACAAACACACAGCTGCTTTGTATCTGTGA	1560
Db	1573	GGCACCTCTGTCCAAGGACAATCCCTTTTCAAAACAAACAGCTGCTTTGTATCTGTGA	1632
Qy	1561	CCTTTTTCAGAGAAAGGGAGGTATCCCTGTGCGCAAAAGGCTCCAGGCTCTCCCCCTGCAACT	1620
Db	1633	CCTTTTTCAGAGAAAGGGAGGTATCCCTGTGCGCAAAAGGCTCCAGGCTCTCCCCCTGCAACT	1692
Qy	1621	CAGGACCAAGCCAGCTCACTCTGTGGGAACTGTGTTCCCAAGCATCTGTGCTCTCTGATT	1680
Db	1693	CAGGACCAAGCCAGCTCACTCTGTGGGAACTGTGTTCCCAAGCATCTGTGCTCTCTGATT	1752
Qy	1681	AAGAGATTCTCTTCCAGGCTTAAGCTCGGATTTGGGCCAGAGATAAGAAATCCAAACTA	1740
Db	1753	AAGAGATTCTCTTCCAGGCTTAAGCTCGGATTTGGGCCAGAGATAAGAAATCCAAACTA	1812
Qy	1741	TGAGGCTAGTCTCTGTTCTAACTCAAGACTGTTCTGGAATGAGGCTCAAGCCTGTCAACC	1800
Db	1813	TGAGGCTAGTCTCTGTTCTAACTCAAGACTGTTCTGGAATGAGGCTGTCAACC	1872
Qy	1801	ATGGGGCTTCTGACCTTGAGCACCAAGTGTGAGGACAGGATTAGGACGGGTGTGCTCTGT	1860
Db	1873	ATGGGGCTTCTGACCTTGAGCACCAAGTGTGAGGACAGGATTAGGACGGGTGTGCTCTGT	1932
Qy	1861	GGCCACTCTGGAAAGTCCAGGTGGGACTCTTCTGGGACACTTGGGGTCCCAATCCCCAG	1920
Db	1933	GGCCACTCTGGAAAGTCCAGGTGGGACTCTTCTGGGACACTTGGGGTCCCAATCCCCAG	1992
Qy	1921	GTCCATACTAGTATTTGATACCATGAGTATGATTTACTGTGCTAGTAAAGA	1980
Db	1993	GTCCATACTAGTATTTGATACCATGAGTATGATTTACTGTGCTAGTAAAGA	2052
Qy	1981	GAATTATGAATAA	1994

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Db      2053 GAATTATGAATAA 2066
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RESULT 5
US-10-425-114-18433
; Sequence 18433, Application US/10425114
; Publication NO. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovacic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 18433
; LENGTH: 2082
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3082-008-C10_FLI
US-10-425-114-18433

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QY 601 CTGCTCGCTTGTCTTCTGCTGACCGTGAGAGGAGAAAGCTGGTCTGGAGAACTCGAG 660
 Db 691 CTGCTCGCTTGTCTTCTGCTGACCGTGAGAGGAGAAAGCTGGTCTGGAGAACTCGAG 750
 QY 661 GACTCTCGCTGCTGACTGGGCGCAGATGATTCCTGTGGGCAAGCAGCGCTGCCAGCC 720
 Db 751 GACTCTCGCTGCTGACTGGGCGCAGATGATTCCTGTGGGCAAGCAGCGCTGCCAGCC 810
 QY 721 TACGTGGGACCTGAGATACTCAGCTCAGCGGCTCATACTCGGGCAAGGACGCGATGTC 780
 Db 811 TACGTGGGACCTGAGATACTCAGCTCAGCGGCTCATACTCGGGCAAGGACGCGATGTC 870
 QY 781 TGGAGCTGGGCGTGGCGCTCTTACCATGCTGGCGGCGCACTACCCCTTCCAGGACTCG 840
 Db 871 TGGAGCTGGGCGTGGCGCTCTTACCATGCTGGCGGCGCACTACCCCTTCCAGGACTCG 930
 QY 841 GAGCTGCTGCTGCTTCTGGCAAGATCGCGCGGCTCAGCGCTTCCCTGCGAGGCTC 900
 Db 931 GAGCTGCTGCTGCTTCTGGCAAGATCGCGCGGCTCAGCGCTTCCCTGCGAGGCTC 990
 QY 901 TGGGCCCCCTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 960
 Db 991 TGGGCCCCCTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1050
 QY 961 ACAGCCACAGGATCTCTGACACCCCTGGCTGGGACAGGACCCGATGCCCTTAGCCCCA 1020
 Db 1051 ACAGCCACAGGATCTCTGACACCCCTGGCTGGGACAGGACCCGATGCCCTTAGCCCCA 1110
 QY 1021 ACCCGATCCCATCTCTGGAGGCTGCCAGAGTGGTCCCTGATGAGTGGGCTGGAGCA 1080
 Db 1111 ACCCGATCCCATCTCTGGAGGCTGCCAGAGTGGTCCCTGATGAGTGGGCTGGAGCA 1170
 QY 1081 GCCAGGAGAGGAGGAGAGACAGAGAGTGGTCTGTATGGCTAGGACCACTACTACA 1140
 Db 1171 GCCAGGAGAGGAGGAGAGACAGAGAGTGGTCTGTATGGCTAGGACCACTACTACA 1230
 QY 1141 GCCTCAGCTGCCAAGAGTGGTGGGCTGAGTCCAGGCTTCTCCTGCTGCTG 1200
 Db 1231 GCCTCAGCTGCCAAGAGTGGTGGGCTGAGTCCAGGCTTCTCCTGCTGCTG 1290
 QY 1201 AACTGAGCCAACTCTGAGTGGTCCAGAGGAGGAGAAAGCAGAGCCTGTGGAGTG 1260
 Db 1291 AACTGAGCCAACTCTGAGTGGTCCAGAGGAGGAGAAAGCAGAGCCTGTGGAGTG 1350
 QY 1261 TGCTGTGTACATCTGCTTGTTCACACATGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1320
 Db 1351 TGCTGTGTACATCTGCTTGTTCACACATGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1410
 QY 1321 GTGCCAAGCCCTGTTCTCGGTCTGGGAGTACAGCAGTGAGCAAGGAGAGCAATATCCC 1380
 Db 1411 GTGCCAAGCCCTGTTCTAGGTGCTGGGAGTACAGCAGTGAGCAAGGAGAGCAATATCCC 1470
 QY 1381 TGCTCACAGAGATGACAACTGGGATCCTTGAGCTGACAACTTTTCCATGACCATAGG 1440
 Db 1471 TGCTCACAGAGATGACAACTGGGATCCTTGAGCTGACAACTTTTCCATGACCATAGG 1530
 QY 1441 TCACCTGTACACTGGGTACACTTGTACAGTGTGGGCTCCACTGATGCTGTGTCTCA 1500
 Db 1531 TCACCTGTACACTGGGTACACTTGTACAGTGTGGGCTCCACTGATGCTGTGTCTCA 1590
 QY 1501 GGCACCTCTGTCCAGGCAATCCCTTTCACAAACAAACAGAGCTGCTTTGTATCTGTA 1560
 Db 1591 GGCACCTCTGTCCAGGCAATCCCTTTCACAAACAAACAGAGCTGCTTTGTATCTGTA 1650
 QY 1561 CTTTTCAGAGAAAGGAGGATCCCTGTGCCAAGGCTCCAGGCTCTCCCTGCACT 1620
 Db 1651 CTTTTCAGAGAAAGGAGGATCCCTGTGCCAAGGCTCCAGGCTCTCCCTGCACT 1710
 QY 1621 CAGGACCCAGCCAGCTCCTCTGGGAACTGTGTTCACAGCATCTCTGCTCTCTGATT 1680
 Db 1711 CAGGACCCAGCCAGCTCCTCTGGGAACTGTGTTCACAGCATCTCTGCTCTCTGATT 1770
 QY 1681 AAGAGATCTCTCCAGGCTTAAGCTGGGATTTGGGCGCAGAGATAAGATCCAACTA 1740

RESULT 6

US-09-325-301-260
 ; Sequence 260, Application US/09925301
 ; Patent No. US20020052308A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Rosen et al.
 ; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
 ; FILE REFERENCE: PA106
 ; CURRENT APPLICATION NUMBER: US/09/925,301
 ; CURRENT FILING DATE: 2001-08-10
 ; PRIOR APPLICATION NUMBER: PCT/US00/05882
 ; PRIOR FILING DATE: 2000-03-08
 ; PRIOR APPLICATION NUMBER: 60/124,270
 ; PRIOR FILING DATE: 1999-03-12
 ; NUMBER OF SEQ ID NOS: 1694
 ; SOFTWARE: Patent In Ver. 2.0
 ; SEQ ID NO 260
 ; LENGTH: 2048
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc_feature
 ; LOCATION: (66)
 ; OTHER INFORMATION: n equals a,t,g, or c
 ; NAME/KEY: misc_feature
 ; LOCATION: (67)
 ; OTHER INFORMATION: n equals a,t,g, or c
 ; US-09-325-301-260

Query Match 85.9%; Score 1767.8; DB 9; Length 2048;
 Best Local Similarity 95.9%; Pred. No. 0;
 Matches 1882; Conservative 4; Mismatches 1; Indels 76; Gaps 4;
 QY 49 ATCGAGCCACCCCTCTGGCTGCTCTGCGGGTCCCTGTCAGGAGAAAGCGTTGGAG 108
 Db 156 ATCGAGCCACCCCTCTGGCTGCTCTGCGGGTCCCTGTCAGGAGAAAGCGTTGGAG 215
 QY 109 TTGGATGACAACTTAGATACCGAGCTCCCGTCCAGAAACGAGCTCGAAAGTGGGCCCG 168
 Db 216 TTGGATGACAACTTAGATACCGAGCTCCCGTCCAGAAACGAGCTCGAAAGTGGGCCCG 275
 QY 169 CCAGAGTGGGCCCGCTGCTGCTGCGGGTCCCTGTCAGGAGAAAGCGTTGGAG 228
 Db 276 CCAGAGTGGGCCCGCTGCTGCTGCGGGTCCCTGTCAGGAGAAAGCGTTGGAG 304
 QY 229 GCTGTGCGCACTGCTCCCGTCTTGGGCGCTATGTCCTCTGAGAGCCGAGGAGCGGG 288
 Db 305 -----GAGCCCGAGGAGCGGG 322

QY 49 ATGCGAGCCACCCCTCTGGTCTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTGGAG 108
Db 1 ATGCGAGCCACCCCTCTGGTCTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTGGAG 60
QY 109 TTGATGACAACTTAGATACCGAGCGTCCCGTCCAGAAACGAGCTCGAAGTGGCCCCAG 168
Db 61 TTGATGACAACTTAGATACCGAGCGTCCCGTCCAGAAACGAGCTCGAAGTGGCCCCAG 120
QY 169 CCCAGACTGCCCCCTCCCTCTGGTCTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTGGAG 228
Db 121 CCCAGACTGCCCCCTCCCTCTGGTCTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTGGAG 180
QY 229 GCTGTGGCCACTGCTCCCTCTGGTCTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTGGAG 288
Db 181 GCTGTGGCCACTGCTCCCTCTGGTCTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTGGAG 240
QY 289 CGGSCCTACCGGCGCTGCTCCCTCTGGTCTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTGGAG 348
Db 241 CGGSCCTACCGGCGCTGCTCCCTCTGGTCTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTGGAG 300
QY 349 GTCAGGAAGCCCTCTGGTCTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTGGAG 408
Db 301 GTCAGGAAGCCCTCTGGTCTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTGGAG 360
QY 409 GCTCGGCCACTGAGTCTCTGGTCTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTGGAG 468
Db 361 GCTCGGCCACTGAGTCTCTGGTCTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTGGAG 420
QY 469 CATGGGACATGACAGCCCTCTGGTCTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTGGAG 528
Db 421 CATGGGACATGACAGCCCTCTGGTCTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTGGAG 480
QY 529 GTGCTCTTCCGCGAGATGGCCACCGCCCTGGGCGACTGTCCACGACCGGTCTGGTCTG 588
Db 481 GTGCTCTTCCGCGAGATGGCCACCGCCCTGGGCGACTGTCCACGACCGGTCTGGTCTG 540
QY 589 CGTGATCTCAAGCTGTGCTCTGGTCTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTGGAG 648
Db 541 CGTGATCTCAAGCTGTGCTCTGGTCTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTGGAG 600
QY 649 GAGAACCTGGAGACTCTCTGGTCTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTGGAG 708
Db 601 GAGAACCTGGAGACTCTCTGGTCTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTGGAG 660
QY 709 GGTGCCCCAGCTACGTGGGACCTGAGATACCTGAGTCAAGGCGCTCATCTCGGGCAAG 768
Db 661 GGTGCCCCAGCTACGTGGGACCTGAGATACCTGAGTCAAGGCGCTCATCTCGGGCAAG 720
QY 769 GCAGCCGATGTCTGGAGCCTGGGCGCTCTTCCACCATGCTGGCGGCGCACTACCCC 828
Db 721 GCAGCCGATGTCTGGAGCCTGGGCGCTCTTCCACCATGCTGGCGGCGCACTACCCC 780
QY 829 TTCAGGACTCGAGCCTGCTCTGGTCTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTGGAG 888
Db 781 TTCAGGACTCGAGCCTGCTCTGGTCTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTGGAG 840
QY 889 CTGCAAGGCTCTCGGCGCTCTGGTCTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTGGAG 948
Db 841 CTGCAAGGCTCTCGGCGCTCTGGTCTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTGGAG 900
QY 949 GGTGAAACGCTCACAGCCACAGGCACTCTCTGGTCTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTGGAG 1008
Db 901 GGTGAAACGCTCACAGCCACAGGCACTCTCTGGTCTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTGGAG 960
QY 1009 CCGTTAGCCCAACCGATCCATCTCTGGGAGGCTGCGGAGGCTGCGGAGGCTGCGGAGCTG 1068
Db 961 CCGTTAGCTCCCAACCGATCCATCTCTGGGAGGCTGCGGAGGCTGCGGAGGCTGCGGAGCTG 1020
QY 1069 GGGCTGGACGAGCCAGGAGAGGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAG 1128
Db 1021 GGGCTGGACGAGCCAGGAGAGGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAG 1074

RESULT 8
US-10-649-156-9
; Sequence 9, Application US/10649156
; Publication No. US20040038346A1
; GENERAL INFORMATION:
; APPLICANT: Meyers, Rachel
; APPLICANT: Kapeller-Libermann, Rosana
; APPLICANT: Williamson, Mark
; TITLE OF INVENTION: No. US20040038346A1 Human Protein Kinases and Uses
; TITLE OF INVENTION: Therefor
; FILE REFERENCE: 35800/209996
; CURRENT APPLICATION NUMBER: US/10/649,156
; CURRENT FILING DATE: 2003-08-27
; PRIOR APPLICATION NUMBER: US/09/799,875
; PRIOR FILING DATE: 2001-03-06
; PRIOR APPLICATION NUMBER: 60/182,059
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 09/659,287
; PRIOR FILING DATE: 2000-09-12
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 1074
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-649-156-9

Query Match 52.0%; Score 1070.8; DB 13; Length 1074;
Best Local Similarity 99.8%; Pred. No. 2.4e-226;
Matches 1072; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 49 ATGCGAGCCACCCCTCTGGTCTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTGGAG 108
Db 1 ATGCGAGCCACCCCTCTGGTCTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTGGAG 60
QY 109 TTGATGACAACTTAGATACCGAGCGTCCCGTCCAGAAACGAGCTCGAAGTGGCCCCAG 168
Db 61 TTGATGACAACTTAGATACCGAGCGTCCCGTCCAGAAACGAGCTCGAAGTGGCCCCAG 120
QY 169 CCCAGACTGCCCCCTCCCTCTGGTCTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTGGAG 228
Db 121 CCCAGACTGCCCCCTCCCTCTGGTCTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTGGAG 180
QY 229 GCTGTGGCCACTGCTCCCTCTGGTCTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTGGAG 288
Db 181 GCTGTGGCCACTGCTCCCTCTGGTCTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTGGAG 240
QY 289 CGGSCCTACCGGCGCTGCTCCCTCTGGTCTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTGGAG 348
Db 241 CGGSCCTACCGGCGCTGCTCCCTCTGGTCTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTGGAG 300
QY 349 GTCAGGAAGCCCTCTGGTCTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTGGAG 408
Db 301 GTCAGGAAGCCCTCTGGTCTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTGGAG 360
QY 409 GCTCGGCCACTGAGTCTCTGGTCTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTGGAG 468
Db 361 GCTCGGCCACTGAGTCTCTGGTCTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTGGAG 420
QY 469 CATGGGACATGACAGCCCTCTGGTCTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTGGAG 528
Db 421 CATGGGACATGACAGCCCTCTGGTCTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTGGAG 480
QY 529 GTGCTCTTCCGCGAGATGGCCACCGCCCTGGGCGACTGTCCACGACCGGTCTGGTCTG 588
Db 481 GTGCTCTTCCGCGAGATGGCCACCGCCCTGGGCGACTGTCCACGACCGGTCTGGTCTG 540
QY 589 CGTGATCTCAAGCTGTGCTCTGGTCTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTGGAG 648
Db 541 CGTGATCTCAAGCTGTGCTCTGGTCTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTGGAG 600
QY 649 GAGAACCTGGAGACTCTCTGGTCTCTCCCTGCGGTTCCCTGTCAGGAGAGCGGTGGAG 708

Query Match	16.0%;	Score 330.2;	DB 10;	Length 396;
Best Local Similarity	97.7%;	Pred. No. 5.6e-63;		
Matches 335;	Conservative	0;	Mismatches 8;	Indels 0; Gaps 0;

QY	1	GCTCTGAGCCCGGGCGGCGCCCGGGCCACGCGGGAACGACGCGGGCGAGATGCGAGCCACC	60
DB	53	GCTCTGAGCCCGGGCGGCGCCCGGGCCACGCGGGAACGACGCGGGCGAGATGCGAGCCACC	112
QY	61	CCTCTGGCTGCTCTCGGGTTCCCTGTCAGAGAGACGGTTGCGATTCGATGACACAC	120
DB	113	CCTCTGGCTGCTCTCGGGTTCCCTGTCAGAGAGACGGATGGATTTGGATGACAC	172
QY	121	TTAGATACCGAGCGTCCCGTCCAGAAACGAGTCCGAAGTGGGCCCCAGCCAGACTGC	180
DB	173	TTAGATACCGAGCGTTCCTGTCAGAAACGAGTCCGAAGTGGGCCCCAGCCAGACTGC	232
QY	181	CCTGCTGTGGCCCTGAGCCACTACTGCTCCAGATCGTGCAACTGCTGTGGCCACT	240
DB	233	CCTGCTGTGGCCCTGAGCCACTACTGCTCCAGATCGTGCAACTGCTGTGGCCACT	292
QY	241	GCCTCCCGCTTTGGGCGCCTATGTCCTCTGAGCCCGGAGGAGGGCGGGCCTACCGG	300
DB	293	GCCTCCCGCTTTGGGCGCCTATGTCCTCTGAGCCCGGAGGAGGGCGGGCCTACCG	352
QY	301	GCCTGCACCTGCCTACAGGCACCTGAGTATACCTGCAAGGTGT	343
DB	353	GCCTGCACCTGCCTACAGGCACCTGAGTATACCTGCAAGGTGT	395

RESULT 13
US-09-873-367C-341/C
; Sequence 341, Application US/09873367C
; Publication No. US2003016583A1
; GENERAL INFORMATION:
; APPLICANT: Young, Paul
; APPLICANT: Soppet, Daniel
; APPLICANT: Endress, Gregory
; APPLICANT: Augustus, Weena
; APPLICANT: Ebner, Reinhard
; APPLICANT: Carter, Kenneth
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using
; FILE OF INVENTION: Signature Gene Sets
; FILE REFERENCE: 689290-64
; CURRENT APPLICATION NUMBER: US/09/873,367C
; CURRENT FILING DATE: 2003-04-29
; PRIOR APPLICATION NUMBER: U.S. 60/236,891
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: U.S. 60/236,842
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: U.S. 60/244,867
; PRIOR FILING DATE: 2000-11-01
; PRIOR APPLICATION NUMBER: U.S. 60/245,084
; PRIOR FILING DATE: 2000-11-01
; NUMBER OF SEQ ID NOS: 1067
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 341
; LENGTH: 353
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-873-367C-341

QY	1763	CAAGACTGTTCTGGAAATGAGGCTCCAGGCTGTGCAACCATGGGGCTTCTGCACCTGAGCAC	1822
Db	233	CAAGACTGTTCTGGAAATGAGGCTCCAGGCTGTGCAACCATGGGGCTTCTGCACCTGAGCAC	174
QY	1823	CAAGGTTGAGGGACAGCAATTAGCCAGGGTCTGCTGTGTGGCCACCTGGAAAAGTCCCAAGT	1882
Db	173	CAAGGTTGAGGGACAGCAATTAGCCAGGGTCTGCTGTGTGGCCACCTGGAAAAGTCCCAAGT	114
QY	1883	GGGACTCTTCTGGGGACACTTGGGGTCCACAAATCCAGGTCCATCTCTAGGTTTGGAT	1942
Db	113	GGGACTCTTCTGGGGACACTTGGGGTCCACAAATCCAGGTCCATCTCTAGGTTTGGAT	54
QY	1943	ACCATGAGTATGTATGTTTACCTGTGCTCCATAATAAGAGAAATTATGAAATAAA	1995
Db	53	ACCATGAGTATGTATGTTTACCTGTGCTCCATAATAAGAGAAATTATGAAATAAA	1

RESULT 14

US-09-925-301-525

; Sequence 525, Application US/09925301

; Patent No. US20020052308A1

; GENERAL INFORMATION:

; APPLICANT: Rosen et al.

; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies

; FILE REFERENCE: PA106

; CURRENT APPLICATION NUMBER: US/09/925,301

; PRIOR FILING DATE: 2001-08-10

; PRIOR APPLICATION NUMBER: PCT/US00/05882

; PRIOR FILING DATE: 2000-03-08

; PRIOR APPLICATION NUMBER: 60/124,270

; PRIOR FILING DATE: 1999-03-12

; NUMBER OF SEQ ID NOS: 1694

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 525

; LENGTH: 562

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: misc feature

; LOCATION: (515)

; OTHER INFORMATION: n equals a,t,g, or c

; NAME/KEY: misc feature

; LOCATION: (526)

; OTHER INFORMATION: n equals a,t,g, or c

; NAME/KEY: misc feature

; LOCATION: (557)

; OTHER INFORMATION: n equals a,t,g, or c

US-09-925-301-525

RESULT 15

US-10-221-278-116
; Sequence 116, Application US/10221278
; Publication No. US20040034208A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: No. US20040034208A1el Nucleic Acids and Polypeptides
; FILE REFERENCE: 21272-045
; CURRENT APPLICATION NUMBER: US/10/221,278
; CURRENT FILING DATE: 2002-09-06
; PRIOR APPLICATION NUMBER: 09/693,267
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 09/665,363
; PRIOR FILING DATE: 2000-09-19
; PRIOR APPLICATION NUMBER: 09/616,847
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: 09/596,193
; PRIOR FILING DATE: 2000-06-17
; PRIOR APPLICATION NUMBER: 09/574,454
; PRIOR FILING DATE: 2000-05-19
; PRIOR APPLICATION NUMBER: 09/519,705
; PRIOR FILING DATE: 2000-03-07
; NUMBER OF SEQ ID NOS: 752
; SEQ ID NO 116
; LENGTH: 1909
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (135)..(941)
US-10-221-278-116

Query Match 12.8%; Score 263.2; DB 13; Length 1909;
Best Local Similarity 60.7%; Pred. No. 7e-48;
Matches 447; Conservative 0; Mismatches 288; Indels 1; Gaps 1;
QY 258 CTATGTCCTCTCGAGCCCGAGAGGGCGGGGGGCTTACCGGGCCCTGCACTGCGCCTAC 317
Db 103 CTACCTGCTGCTGCCCTAGCGGAGCGGAGCATGTGTCGGGGCTGTGATCCACAC 162
QY 318 AGGCATGATATAC-CTGCAGAGGTACCCGTCAGGAAGCCCTGGCCGTGTGGAGC 376
Db 163 TGGGACCGCGAGTGGCGCTCAAGGTGTTCCCATTAACACTACCAGGACAAATCAGGC 222
QY 377 CCTACGCGGGCTGCCCGCCGCAAGCATGTGGCTCGGCCCACTGAGGTCTCGGTGTA 436
Db 223 CTTACATCCAGCTGCCATCGACAGCAACATTACTGGCATTTGGAAGTATCCTTGGG 282
QY 437 CCCAGTCTCTACGCTTTTTCATCGGACCCATGGGACATGCACAGCCCTGGTGGAA 496
Db 283 AAACCAAGGCCTATGTCTTTTGAGAGGACTTTGGGACATGCACCTCTATGTGGAA 342
QY 497 GCGGCCACCGTATCCCTGAGCTGAGGCTGCCGTCTTCCGCGAGATGGCCACCGCC 556
Db 343 GCGGAGAGGCTGCGGAGAGGAGAGCGCCCGCTCTTCAAGCAGATGTCTCCGCG 402
QY 557 TGGGCACTGTACCAGACGCTCTGGTCTCTCGTGATCTCAAGCTGTGTGCTTTGTCT 616
Db 403 TCGCCCACTGCCACAGTCAGCCATCGTCTGGGGACCTGAAGCTTAGGAAGTTCGTCT 462
QY 617 TCGCTGACCGTGAGGAGAGAGCTGGTGTGGAGAACCTGGAGACTCTGCGTGTGA 676
Db 463 TCTCCACGAGGAGAGAACCCAGCTTAGACTAGAAAGTCTAGAAAGACACACATAATGA 522
QY 677 CTGGGCGAGATGATCCCTGTGGGACAGCGCGTGGCCAGCTTACGTGGGACCTGAGA 736
Db 523 AGGGGGAAGATGATGCTTTGTGAGACAAACATGGCTGCCAGCCTACGTGAGCCCTGAGA 582
QY 737 TACTAGCTCAGGGGCTCATACTCGGGAAGGACGCGATGTCTGGAGCCTGGGCGTGG 796
Db 583 TCCTCAACACCACTGGGACCTACTCCGGAAGGCTGCGAAGCTTTGGAGCCTGGGGTGA 642

QY 797 CGCTCTTCCACATGCTGGCCGCGCCACTACCCCTTCCAGGACTCGAGGCTGTCTGTCT 856
Db 643 TGCTCTACACCTTCTGCTTGGAGATACCCCTTCCATGACTCAGACCCAGTGCCCTTT 702
QY 857 TCGGCAAGATCGCGCGCGGCGCTACGCCCTTGGCTGCGAGGCTCTCGGCCCTGTGCCCGCT 916
Db 703 TCTCCAAAATTCGGCGTGGACAGTTCGTGATTCCTGAGCACATTTCCCCCAAAGCCAGGT 762
QY 917 GTCTGTTTCGCTGCTCTCTCGTGGGAGCCAGCTGAACGGCTCACAGCCACAGSCATCC 976
Db 763 GCCTCATTCGACGCTCTTGGAGCGGAGCCCTCGGAGAGACTCACTGCCCCCGAGATCC 822
QY 977 TCCTGCACCCCTGCT 992
Db 823 TACTGCACCCCTGGTT 838

Search completed: September 15, 2004, 05:49:20
Job time : 1711 secs

Db 575 GCCTCCGCTCTTGGGCGCTATGTCCTCCTGGAGCGGCGGGCGGCGCTACCAG 634
Qy 301 GCCTTGACCTGCTCAGGCACTGAGTATACCTGCAAGGTGTACCCCTCCAGGAAGCC 360
Db 635 GCCTTGACCTGCTCAGGCACTGAGTATACCTGCAAGGTGTACCCCTCCAGGAAGCC 694
Qy 361 CTGGCGCTGCTGAGCGCTACGCGCGCTGCGCGCGCTGCGCGCGCTGCGCGCGCT 420
Db 695 CTGGCGCTGCTGAGCGCTACGCGCGCTGCGCGCGCTGCGCGCGCTGCGCGCGCT 754
Qy 421 GAGGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 480
Db 755 GAGGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 814
Qy 481 CACAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 540
Db 815 CACAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 874
Qy 541 CAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 600
Db 875 CAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 934
Qy 601 CTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 660
Db 935 CTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 994
Qy 661 GACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 720
Db 995 GACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1054
Qy 721 TAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 780
Db 1055 TAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1114
Qy 781 TGGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840
Db 1115 TGGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1174
Qy 841 GAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 900
Db 1175 GAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1234
Qy 901 TGGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 960
Db 1235 TGGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1294
Qy 961 ACAGCCACAGGCACTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1020
Db 1295 ACAGCCACAGGCACTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1354
Qy 1021 ACCGATCCCATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1080
Db 1355 ACCGATCCCATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1414
Qy 1081 GCCAGGGAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1140
Db 1415 GCCAGGGAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1474
Qy 1141 CGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1200
Db 1475 CGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1534
Qy 1201 AACTGAGCAAACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1260
Db 1535 AACTGAGCAAACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1594
Qy 1261 TCGTGTGACATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1320
Db 1595 TCGTGTGACATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1654
Qy 1321 GTGCCAAGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1380
Db 1655 GTGCCAAGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1714

Qy 1381 TGCTCAGAGATGACAACTGGCATCTTGGATCTGAGCTGACACACATTTTCCATGACCATAGG 1440
Db 1715 TGCTCAGAGATGACAACTGGCATCTTGGATCTGAGCTGACAAACATTTTCCATGACCATAGG 1774
Qy 1441 TCACCTGCTACACTGGGTACACATTTGTACAGTGTGGGCTCCACTGATGCTGGTGTCTCA 1500
Db 1775 TCACCTGCTACACTGGGTACACATTTGTACAGTGTGGGCTCCACTGATGCTGGTGTCTCA 1834
Qy 1501 GGCACCTCTGTCAGAGACAAATCCCTTTCAAAACAAACAGCTGCTTTGTATCTTTGTA 1560
Db 1835 GGCACCTCTGTCAGAGACAAATCCCTTTCAAAACAAACAGCTGCTTTGTATCTTTGTA 1894
Qy 1561 CCTTTTCAGAGAAAGGAGGTATCCCTGTGCCAAAGGCTCCAGGCTCTCCCTCGCAACT 1620
Db 1895 CCTTTTCAGAGAAAGGAGGTATCCCTGTGCCAAAGGCTCCAGGCTCTCCCTCGCAACT 1954
Qy 1621 CAGGACCAAGCCAGCTCACTCTGGGAATGTGTCCAGCATCTCTGTCTCTTTGATT 1680
Db 1955 CAGGACCAAGCCAGCTCACTCTGGGAATGTGTCCAGCATCTCTGTCTCTTTGATT 2014
Qy 1681 AAGAGATTCCTCTCCAGGCTTAAGCTGGATTTGGGCCAGAGATAAGAAATCCAAACTA 1740
Db 2015 AAGAGATTCCTCTCCAGGCTTAAGCTGGATTTGGGCCAGAGATAAGAAATCCAAACTA 2074
Qy 1741 TGAGGCTAGTCTTGTCTAACTCAAGACTGTTCTGGAATGAGGCTCCAGGCTGTCAACC 1800
Db 2075 TGAGGCTAGTCTTGTCTAACTCAAGACTGTTCTGGAATGAGGCTCCAGGCTGTCAACC 2134
Qy 1801 ATGGGCTTCTGACCTGAGCACCAGGTTGAGGACAGGATTAGGAGGCTGTCTCTGT 1860
Db 2135 ATGGGCTTCTGACCTGAGCACCAGGTTGAGGACAGGATTAGGAGGCTGTCTCTGT 2194
Qy 1861 GGCCACCTGGAAGTCCAGGCTGGGACTCTTCTGGGGACACTTTGGGCTCCAAATCCCAG 1920
Db 2195 GGCCACCTGGAAGTCCAGGCTGGGACTCTTCTGGGGACACTTTGGGCTCCAAATCCCAG 2254
Qy 1921 GTCCATCTAGTCTTGGATACCATGATATGATTTTACCTGTGCTTAAAGGA 1980
Db 2255 GTCCATCTAGTCTTGGATACCATGATATGATTTTACCTGTGCTTAAAGGA 2314
Qy 1981 GAATTTGAATTAATAA 2040
Db 2315 GAATTTGAATTAATAA 2374
Qy 2041 AAAAAAAAAAAAAA 2055
Db 2375 AAAAAAAAAAAAAA 2389

RESULT 2

US-09-799-875-9
; Sequence 9, Application US/09799875
; Patent No. 6638721
; GENERAL INFORMATION:
; APPLICANT: Meyers, Rachel
; APPLICANT: Kapeller-Libermann, Rosana
; APPLICANT: Williamson, Mark
; TITLE OF INVENTION: No. 6638721el Human Protein Kinases and Uses
; TITLE OF INVENTION: Therefor
; FILE REFERENCES: 35800/209996
; CURRENT APPLICATION NUMBER: US/09799, 875
; CURRENT FILING DATE: 2001-03-06
; PRIOR APPLICATION NUMBER: 60/182,059
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 09/659,287
; PRIOR FILING DATE: 2000-09-12
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 1074
; TYPE: DNA
; ORGANISM: Homo sapiens

RESULT 10
US-09-621-976-8550
; Sequence 8550, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET 054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 8550
; LENGTH: 146
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-621-976-8550

Query Match 4.0%; Score 81.6; DB 4; Length 146;
Best Local Similarity 71.9%; Pred. No. 2.3e-09;
Matches 105; Conservative 1; Mismatches 40; Indels 0; Gaps 0;
QY 1909 CCAATCCAGTCCATCTAGGTTTGGATACCATGATGTATGTTTACCTGTG 1969
Db 1 CCAAAATGGAAGGAATGTTCTATGTTTCAGGCTAGGAGTATATGTTTCGAATCC 60
QY 1969 CCTAATAAAGGAGAAATTATGAATAAAAAAAAAAAAAAAAAAAAAAAAAA 2028
Db 61 CAAA 120
QY 2029 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 2054
Db 121 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAW 146

RESULT 11
US-08-749-902-2
; Sequence 2, Application US/08749902
; Patent No. 5985635
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; APPLICANT: Goli, Surya K.
; APPLICANT: Hillman, Jennifer L.
; TITLE OF INVENTION: NOVEL HUMAN SERINE/THREONINE
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: US
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/749,902
; FILING DATE: Filed Herewith
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0150 US
; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1466 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; CLONE: Consensus
US-08-749-902-2
Query Match 4.0%; Score 81.6; DB 2; Length 1466;
Best Local Similarity 47.3%; Pred. No. 5.6e-09;
Matches 237; Conservative 0; Mismatches 264; Indels 0; Gaps 0;
QY 503 ACCGTATCCCTGAGCCTGAGGCTGCCGTGCTCTTCCGCCAGATGGCCACGCCCTCGCGC 562
Db 536 AGCGTTTCCAGTGTGCCAGGCCACCGGTACTTCTGTCAGCTGATTGACGGNTGGGT 595
QY 563 ACTGTACACGACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 622
Db 596 ACCTGCATNGCCAGGNNATTGTGCACAAAGGGCATCAAGCCGGGAACTGCTGCTACCA 655
QY 623 ACCGTGAGAGGAAGAAGCTGTGCTGTGAGAACCTGGAGGACTCCTGCGTGTGCTGCTG 682
Db 656 CCGTGGGACCCCTCAAAATCTCCGACCTGGCGTGGCCGAGGCACTGCACTGACCCGTTCC 715
QY 683 CAGATGATTCCCTGTGGGACAAGCAGCGTGTGCCAGCCTACGTGGGACCTGAGATACCTCA 742
Db 716 CGGACGACACCTGCGCGGACGAGCCAGGGCTCCCGGGCTTCCAGCCGCCGAGANATTGCCA 775
QY 743 GCTCAGCGGCTCATATCTCGGCAAGCGACCGGATGTCTGAGAGCTGGCGTGGCGCTCT 802
Db 776 ACGCCCTGGACACCTTCTCCGGCTTCAAGTGGGACATCTGTCGGGTGGGGTCACTCTCT 835
QY 803 TCACCATGCTGGCGGCGCCTACCCCTTCAGGACTCGGAGCCTGTCTGCTCTTCGGCA 862
Db 836 ACAACATCACCACGGGTCTGTACCCCTTCGAGGGGACACATCTACAAGTTGTTGAGA 895
QY 863 AGATCGCGCGGGGCTTACGCTTGTGCTGAGAGCCTCTCGGCCCTCGCGCTGTCTGG 922
Db 896 ACATCGGGAAGGGAGGTACGCCATCCCGGCGGACTGTGGCCCGCCCTCTCTGACCTGC 955
QY 923 TTGCTGCTCTTCTGCTGGGAGCCAGCTGAACCGCTCACAGCCACAGGATCTCTCTGC 982
Db 956 TGAAGGAGTCTTGAGTACGACCCGCAAGAGGTCTCTCATCCGCGCATCCGCGCAGC 1015
QY 983 ACCCTGGCTGCGACAGGACC 1003
Db 1016 ACAGTGTTCGGAAGAAAC 1036

RESULT 12
US-09-907-794A-212
; Sequence 212, Application US/09907794A
; Patent No. 6635468
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.

```

; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/907/794A
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 212
; LENGTH: 1985
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-907-794A-212

Query Match          3.9%; Score 80.8; DB 4; Length 1985;
Best Local Similarity 78.2%; Pred. No. 9.5e-09;
Matches 97; Conservative 0; Mismatches 27; Indels 0; Gaps 0;

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Db 1823 TTTGGACATAAATGATGATGATGTTTACCTGTGCTTAATAAGGAGATTTATGAAATATAA 1882
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Qy 1996 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 2055
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Db 1863 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1942

Qy 2056 AAAA 2059
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Db 1943 AAAA 1946
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RESULT 13

US-09-905-125A-212

; Sequence 212, Application US/09905125A

; Patent No. 6664376

; GENERAL INFORMATION:

; APPLICANT: Genentech, Inc.

; APPLICANT: Ashkenazi, Avi

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Fong, Sherman

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, A.

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; APPLICANT: Grimaldi, Christopher J.

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; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William, I.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; TITLE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: 10466-14

; CURRENT APPLICATION NUMBER: US/09/905,125A

; CURRENT FILING DATE: 2001-07-12

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; LENGTH: 1985

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Fri Sep 17 12:09:38 2004

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